



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

SIXTH FLOOR, PRUDENTIAL BUILDING, 195 NORTH TCE., ADELAIDE, S.A.

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FACTORIES

SOUTH AUSTRALIA

1967-68

SCOPE

This bulletin summarises information relating to factory operations and shows either in total or by class of factory, details of numbers of factories and persons employed, the capacity of engines used, and the values of production, output, salaries and wages paid, land and buildings, plant and machinery, and costs of production.

DEFINITIONS

For the purpose of the collection from which these statistics are compiled a factory is defined as an establishment in which four or more persons are employed or where power driven machinery is used in any manufacturing, repairing, or assembling process.

The figures relating to employment include proprietors who work in their own businesses but exclude those persons engaged in selling or distribution.

Value of output is the value of the goods manufactured and includes bounty and subsidy payments and amounts received for repair work and work done on commission; it excludes excise duties and all delivery costs and charges.

Value of production is the value added to raw materials by the process of manufacture and is calculated by deducting from the value of output the values of materials used, power and fuel consumed, tools replaced, containers, and repairs to plant and buildings.

Value of land and buildings and value of plant and machinery include estimated amounts for rented premises and plant.

In tables where figures have been rounded, discrepancies between totals and sums of components are due to rounding.

COMMENT

The number of factories reporting details of operations in 1967-68 was 6,255, an increase of 0.5 per cent compared with a rise of 2.6 per cent in the previous year.

Average employment in factories during 1967-68 was 121,417, an increase of 2.7 per cent compared with an increase of 1.9 per cent in 1965-66 and a decrease of 0.10 per cent in 1966-67. Salaries and wages paid per employee in 1967-68 rose by \$212 to \$3,092 for males and by \$90 to \$1,592 for females, being increases of 7.4 per cent for males and 6.0 per cent for females; in 1966-67 there were rises of 5.9 per cent and 5.8 per cent respectively.

The value of production rose from \$563,764,000 in 1966-67 to \$631,104,000 in 1967-68, an increase of 11.9 per cent compared with increases of 16.7, 5.8 and 6.9 per cent in 1964-65, 1965-66 and 1966-67. The largest increases during 1967-68 occurred in factories classified to the motor bodies, and plant, equipment and machinery industries.

TABLE 1 - FACTORY OPERATIONS, SOUTH AUSTRALIA

Particulars	1963-64	1964-65	1965-66	1966-67	1967-68
Number of establishments	5,826	5,887	6,065	6,222	6,255
Employment (a) -					
Males	90,933	94,690	96,194	96,076	98,929
Females	19,880	21,493	22,149	22,144	22,488
Value of -	\$' 000				
Salaries and wages paid -					
Males	215,127	245,565	252,260	266,640	295,065
Females	25,188	28,659	30,691	32,466	34,995
Materials used	558,884	620,682	647,311	673,949	727,538
Other costs of production (b)	75,547	87,560	95,751	105,447	116,685
Production	427,356	498,588	527,477	563,764	631,104
Output	1,061,786	1,206,830	1,270,539	1,343,160	1,475,328
Land and Buildings	230,627	256,536	276,531	296,351	310,019
Plant and Machinery	330,281	388,932	423,458	470,959	503,591

(a) Average employment over whole year, including working proprietors.

(b) Containers, tools replaced, repairs to plant and buildings, and power, fuel, etc., used.

TABLE 2 - NUMBER OF FACTORIES, EMPLOYMENT AND ENGINES IN USE, SOUTH AUSTRALIA, 1967-68

Industrial Class	Establishments	Employment (a)		Engines in Use(b)	
		Males	Females	Electric	Other
	Number			Horsepower	
Treatment of non-metal mine products	210	2,115	140	47,513	4,056
Bricks, pottery, glass, etc.	61	1,810	203	17,499	360
Chemicals, dyes, paints, etc.	109	2,758	495	31,860	16,894
Metals, machines, conveyances	3,294	64,263	8,380	397,538	43,011
Metals, machines, etc., includes -					
Plant, equipment, and machinery	311	11,416	2,023	56,361	131
Electrical engineering (c)	254	3,806	2,369	10,910	-
Other engineering	306	5,026	371	23,335	490
Construction and repair of vehicles -					
Motor vehicle repairs	1,496	6,860	522	12,185	170
Motor bodies	363	15,533	790	68,578	-
Other (incl. ships and boats)	161	7,615	632	35,945	265
Sheet metal working	140	2,968	677	11,432	6
Pipes, tubes, etc. (ferrous)	9	2,417	166	23,710	-
Textiles, etc. (not dress)	64	1,313	1,516	9,593	-
Skins and leather	37	851	143	6,186	32
Clothing (except knitted)	511	1,656	3,506	5,528	1
Food, drink, and tobacco	697	7,940	4,324	75,782	1,830
Sawmills, joinery, etc.	442	5,101	445	59,152	1,788
Furniture of wood, bedding, etc.	209	1,742	519	7,702	-
Paper, stationery, printing, etc.	202	4,302	1,422	38,692	1,302
Rubber	52	1,394	330	18,653	41
Heat, light, and power	32	1,800	24	n.a.	n.a.
Other	335	1,884	1,041	n.a.	n.a.
Total	6,255	98,929	22,488	729,103	71,849

(a) Average employment over whole year, including working proprietors.

(b) Excludes motors in reserve or idle, totalling 66,801 H.P., motors driven by electricity generated in own works, and motors used in central electric stations to drive generators.

(c) Includes radio, television, etc.

n.a. Not available.

TABLE 3 - FACTORY OPERATIONS: INDUSTRIAL CLASSES, SOUTH AUSTRALIA, 1967-68.

Industrial Class	Salaries and Wages Paid	Costs of Production		Value of -			
		Materials Used	Other (a)	Production	Output	Land and Build- ings	Plant and Machinery
				\$'000			
Treatment of non-metal mine products	6,654	15,898	4,355	18,944	39,197	10,134	18,195
Bricks, pottery, glass, etc.	5,818	4,880	2,826	11,449	19,154	5,639	7,279
Chemicals, dyes, paints, etc.	10,039	57,778	10,340	38,710	106,828	10,912	33,899
Metals, machines, conveyances	209,538	430,103	48,325	359,761	838,189	165,471	262,850
Metals, machines, etc., includes -							
Plant, equipment, and machinery	38,401	68,907	5,413	63,281	137,601	28,428	20,838
Electrical engineering (b)	15,025	23,150	1,678	25,951	50,779	12,165	5,230
Other engineering	15,211	15,077	1,348	22,140	38,565	9,837	9,101
Construction and repair of vehicles -							
Motor vehicle repairs	15,454	17,979	978	25,525	44,482	20,714	4,078
Motor bodies	53,026	140,200	7,682	98,582	246,463	40,123	40,148
Other (incl. ships and boats)	24,985	53,690	2,071	38,686	94,448	10,412	11,905
Sheet metal working	9,837	19,945	1,290	16,982	38,217	8,576	4,773
Pipes, tubes, etc. (ferrous)	8,451	12,716	1,763	14,223	28,702	4,263	3,662
Textiles, etc. (not dress)	6,444	11,136	1,345	10,911	23,392	4,770	4,222
Skins and leather	2,675	9,508	776	4,222	14,506	1,408	1,204
Clothing (except knitted)	8,564	9,568	901	15,160	25,629	7,368	3,980
Food, drink, and tobacco	29,242	107,923	26,722	67,904	202,549	39,166	32,195
Sawmills, joinery, etc.	12,794	25,825	1,944	23,126	50,895	11,084	9,892
Furniture of wood, bedding, etc.	4,563	9,053	280	8,458	17,790	4,882	1,383
Paper, stationery, printing, etc.	15,440	24,251	4,454	32,818	61,523	17,541	32,028
Rubber	5,590	8,645	1,139	9,980	19,765	4,234	5,683
Heat, light and power	6,347	2,603	12,131	16,174	30,909	21,478	87,150
Other	6,352	10,368	1,147	13,487	25,001	5,933	3,629
Total	330,060	727,538	116,685	631,104	1,475,328	310,019	503,591

(a) Containers, tools replaced, repairs to plant and buildings, and power, fuel, etc., used.

(b) Includes radio, television, etc.

TABLE 4 - EMPLOYMENT IN FACTORIES AT 30 JUNE, SOUTH AUSTRALIA

Particulars	1963-64	1964-65	1965-66	1966-67	1967-68
Working proprietors -					
Males	3,367	3,376	3,439	3,495	3,486
Females	683	611	535	531	511
Wage and salary earners -					
Under 16 yrs - Males	677	528	471	386	344
Females	721	539	471	433	376
16 - 20 yrs - Males	9,675	10,143	10,487	10,566	10,489
Females	5,119	5,644	5,376	5,147	5,135
21 yrs and over - Males	79,176	82,621	81,094	81,681	86,576
Females	13,714	15,065	15,259	15,641	16,924
Total	113,132	118,527	117,132	117,880	123,841

TABLE 5 - PERSONS EMPLOYED IN FACTORIES, SOUTH AUSTRALIA (a)

Industrial Class	1963-64	1964-65	1965-66	1966-67	1967-68
Treatment of non-metal mine products	2,325	2,382	2,321	2,305	2,255
Bricks, pottery, glass, etc.	2,203	2,264	2,277	2,117	2,013
Chemicals, dyes, paints, etc.	3,215	3,244	3,296	3,298	3,253
Metals, machines, conveyances	64,479	68,516	69,592	69,321	72,643
Metals, machines, etc. includes -					
Plant, equipment, and machinery	11,364	12,500	12,928	12,524	13,439
Electrical engineering (b)	5,184	5,517	5,597	5,976	6,175
Other engineering	5,045	5,278	5,378	5,323	5,397
Construction and repair of vehicles -					
Motor vehicle repairs	7,158	7,443	7,277	7,351	7,382
Motor bodies	14,626	16,076	15,782	15,205	16,323
Other (incl. ships and boats)	7,964	7,442	7,651	7,879	8,247
Sheet metal working	3,322	3,560	3,702	3,530	3,645
Pipes, tubes, etc. (ferrous)	2,391	2,668	2,690	2,524	2,583
Textiles, etc. (not dress)	2,522	2,685	2,807	2,775	2,829
Skins and leather	1,203	1,035	1,015	995	994
Clothing (except knitted)	5,312	5,471	5,397	5,351	5,162
Food, drink, and tobacco	11,614	11,914	12,324	12,288	12,264
Sawmills, joinery, etc.	5,457	5,791	5,934	5,789	5,546
Furniture of wood, bedding, etc.	2,332	2,226	2,301	2,245	2,261
Paper, stationery, printing, etc.	4,986	5,178	5,452	5,654	5,724
Rubber	1,248	1,328	1,515	1,621	1,724
Heat, light, and power	1,933	1,932	1,764	1,780	1,824
Other	1,984	2,217	2,348	2,681	2,925
Total	110,813	116,183	118,343	118,220	121,417

(a) Average employment over whole year, including working proprietors.

(b) Includes radio, television, etc.

TABLE 6 - CLASSIFICATION OF FACTORIES BY NUMBER OF PERSONS EMPLOYED, SOUTH AUSTRALIA

Number of Employees	1963-64	1964-65	1965-66	1966-67	1967-68
	Number of Factories				
Under 5	3,143	3,205	3,380	3,490	3,540
From 5 to 10	1,259	1,218	1,180	1,215	1,207
From 11 to 20	636	650	681	687	681
From 21 to 50	446	462	464	476	459
From 51 to 100	184	186	191	189	193
Over 100	158	166	169	165	175
Total number of factories	5,826	5,887	6,065	6,222	6,255

TABLE 7 - COSTS OF PRODUCTION IN FACTORIES, SOUTH AUSTRALIA

Particulars	1963-64	1964-65	1965-66	1966-67	1967-68
	\$'000				
Materials used	558,884	620,682	647,311	673,949	727,538
Containers	21,806	24,790	26,449	27,587	30,937
Tools replaced and repairs to plant and buildings	18,969	23,474	25,236	26,558	29,542
Electricity	11,212	12,555	13,794	14,505	16,014
Gas	650	703	967	1,770	2,105
Lubricating oil and water	1,971	2,222	2,535	2,708	2,814
	Tons				
Coal (a) - Leigh Creek	1,556,986	1,857,634	1,926,672	2,089,916	2,078,280
Other	376,866	342,449	287,559	244,068	266,009
Coke (a)	315,322	288,840	389,559	656,005	719,178
Wood	273,172	243,409	260,712	247,471	234,700
Fuel oils (inc. tar fuel)(a)	401,291	496,735	625,748	644,359	743,355

(a) Includes quantities classified as materials used.

TABLE 8 - VALUE OF FACTORY PRODUCTION, SOUTH AUSTRALIA

Industrial Class	1963-64	1964-65	1965-66	1966-67	1967-68
	\$' 000				
Treatment of non-metal mine products	16,766	17,952	17,807	17,747	18,944
Bricks, pottery, glass, etc.	10,650	11,575	11,115	10,848	11,449
Chemicals, dyes, paints, etc.	26,420	33,116	35,263	39,852	38,710
Metals, machines, conveyances	226,582	273,902	294,482	306,402	359,761
Metals, machines, etc., includes-					
Plant, equipment, machinery	41,045	48,414	55,323	54,588	63,281
Electrical engineering (a)	17,456	20,086	19,820	22,382	25,951
Other engineering	16,461	18,668	19,996	20,397	22,140
Construction and repair of vehicles-					
Motor vehicle repairs	19,725	22,413	23,383	24,623	25,525
Motor bodies	48,861	63,517	73,072	70,123	98,582
Other (incl. ships and boats)	25,449	26,851	31,012	34,640	38,686
Sheet metal working	12,968	15,094	16,237	14,886	16,982
Pipes, tubes, etc. (ferrous)	11,780	14,556	12,430	13,031	14,223
Textiles, etc. (not dress)	8,439	9,698	9,796	11,461	10,911
Skins and leather	3,595	3,564	3,954	3,615	4,222
Clothing (except knitted)	11,749	12,162	12,965	14,840	15,160
Food, drink, and tobacco	46,860	52,765	55,691	64,916	67,904
Sawmills, joinery, etc.	19,079	22,023	23,012	23,229	23,126
Furniture of wood, bedding, etc.	7,151	7,173	7,696	8,010	8,458
Paper, stationery, printing, etc.	21,709	23,561	25,939	28,048	32,818
Rubber	6,646	6,799	6,996	8,950	9,980
Heat, light, and power	14,507	15,560	(b)13,687	(b)14,161	(b)16,174
Other	7,203	8,737	9,075	11,686	13,487
Total	427,356	498,588	527,477	563,764	631,104

(a) Includes radio, television, etc.

(b) Before 1965-66 included the value of certain distribution processes estimated for 1965-66 at \$2 million.

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